

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P758192

Luminaire Tested: LD6D05D010-EU6DR300210IC9040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P758192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D05D010-EU6DR300210IC9040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 690.9 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

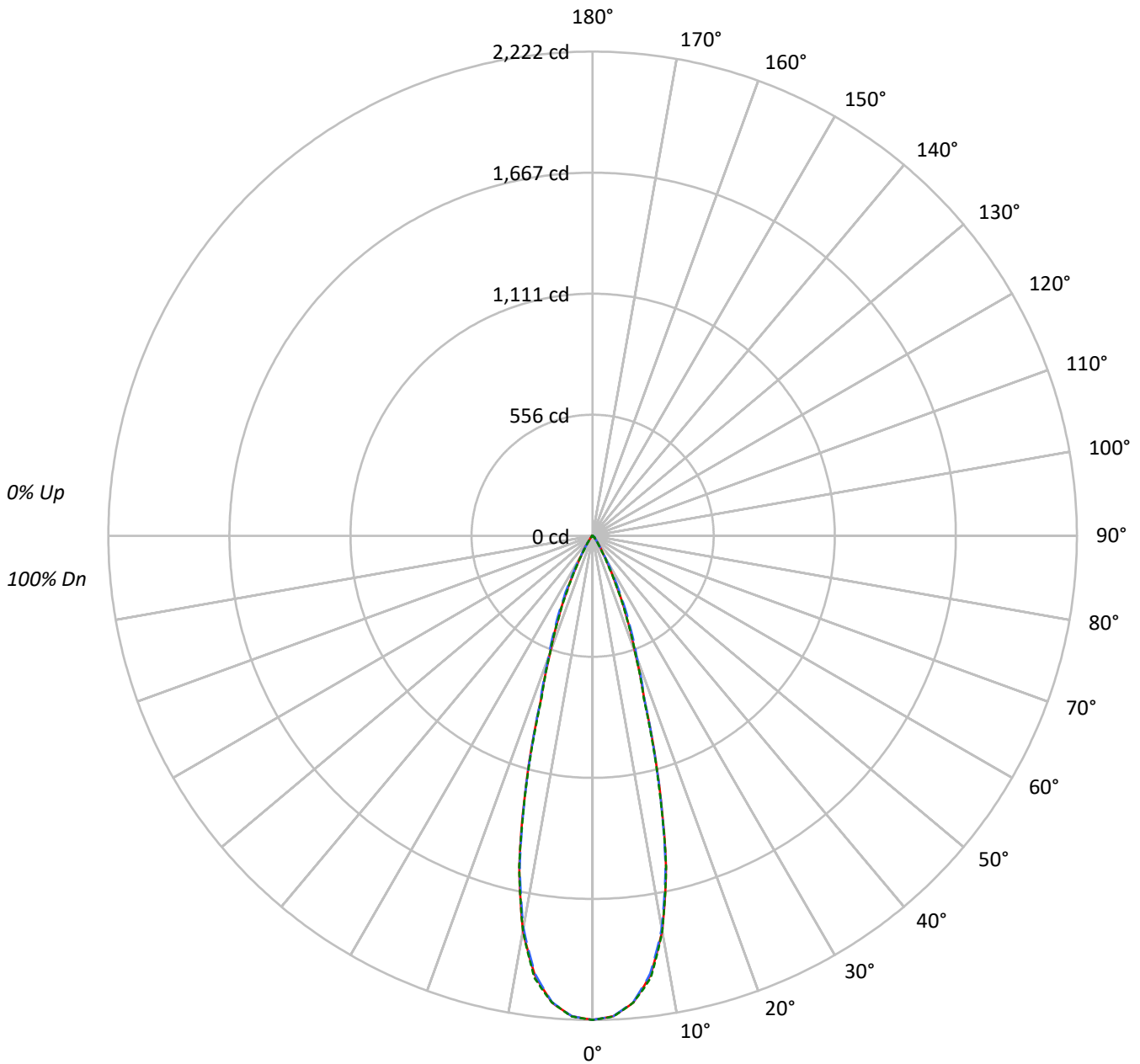


Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	170056	170056	170056
5°	165174	164974	165182
10°	143067	142057	143028
15°	93341	92842	92374
20°	46414	48157	46356
25°	23378	26367	22905
30°	9360	10200	8158
35°	4345	4158	3485
40°	1869	2088	1759
45°	1321	1645	1331
50°	453	1191	476
55°	254	494	280
60°	184	214	184
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1645 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.4	28.3
10°-20°	314.6	45.5
20°-30°	136.0	19.7
30°-40°	31.0	4.5
40°-50°	10.6	1.5
50°-60°	2.6	0.4
60°-70°	0.7	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	646.0	93.5
0°-40°	676.9	98.0
0°-60°	690.2	99.9
0°-90°	690.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	690.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2222	2222	2222	2222	2222	
5°	2150	2148	2147	2152	2150	196
15°	1178	1164	1172	1168	1166	315
25°	277	287	312	280	271	133
35°	46	47	44	44	37	32
45°	12	15	15	15	12	9
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2221.7	2221.7	2221.7	2221.7	2221.7
2.5°	2206.9	2205.4	2206.3	2207.4	2207.8
5°	2149.7	2147.6	2147.1	2151.6	2149.8
7.5°	2034.1	2031.2	2026.8	2036.9	2046.4
10°	1840.7	1837.4	1827.7	1832.5	1840.2
12.5°	1555.0	1544.4	1544.2	1559.5	1557.4
15°	1177.9	1163.7	1171.6	1167.8	1165.7
17.5°	792.1	786.7	797.1	793.9	780.3
20°	569.8	571.2	591.2	581.1	569.1
22.5°	415.8	420.9	444.6	418.7	409.3
25°	276.8	287.3	312.2	280.0	271.2
27.5°	170.3	175.1	200.2	168.1	163.3
30°	105.9	103.5	115.4	99.1	92.3
32.5°	69.5	66.4	70.2	63.0	57.6
35°	46.5	47.4	44.5	44.2	37.3
37.5°	29.0	33.4	29.4	31.4	24.0
40°	18.7	24.2	20.9	23.0	17.6
42.5°	15.4	18.7	17.1	18.2	15.7
45°	12.2	15.2	15.2	15.2	12.3
47.5°	6.8	10.1	13.0	10.4	7.2
50°	3.8	5.1	10.0	5.3	4.0
52.5°	2.6	2.9	6.9	3.0	2.8
55°	1.9	2.1	3.7	2.2	2.1
57.5°	1.5	1.7	1.9	1.7	1.5
60°	1.2	1.2	1.4	1.3	1.2
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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